

**Notice of Allowability**

Application No.

10/500,504

Examiner

Hargobind S. Sawhney

Applicant(s)

MONCH, HOLGER

Art Unit

2875

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed on February 16, 2006.
2. ☒ The allowed claim(s) is/are 1-14.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |   |
|---|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)                                   |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date <u>4/26/2006</u> . |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date <u>1/17/2006</u> | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment   |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material                                | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance                          |
|   | 9. <input type="checkbox"/> Other _____.  |

1. The amendment filed on February 16, 2006 has been entered. Accordingly:
  - The substitute specification has been entered;
  - New Figure 2 has been added;
  - Claims 1-11 have been amended; and
  - New claims 12-14 have been added.
2. On April 26, 2006, the examiner and the attorney, Mr. Frank Keegan, discussed a few limitations of amended claims 4, 5 and 12. The discussion, and rephrasing of the limitations suggested by the examiner are as follows:
  - Claim 4, lines 3 and 4, "transparent segment" should be rephrased as -- clear colorless segment --. The limitation "transparent segment" also applied to red, green and blue segments of the color wheel.
  - Claim 5, lines 5, 9 and 10 (each), "transparent segment" should be rephrased as -- clear colorless segment --.
  - Claim 12, line 20, delete ")".

In response, Mr. Keegan authorized an examiner's amendment requiring an amendment of claims 4 and 5 as detailed above.

A copy of the interview summary is attached herewith.

#### ***EXAMINER'S AMENDMENT***

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Frank Keegan on April 26, 2006.

Claim 4, lines 5, 9 and 10 (each), rephrase "transparent segment" as -- clear colorless segment --;

Claim 5, lines 3 and 4, rephrase "transparent segment" as -- clear colorless segment --; and

Claim 12, line 20, delete ")".

***Allowable Subject Matter***

4. Claims 1-14 are allowed.

The prior art of record, including Arlitt et al. (US Patent No.: 6,113,252), Bornhorst et al. (US Patent No.: 5,758,956) and Marshall et al. (US Patent No.: 5,706,061), does not show or suggest the applicant's invention as claimed. Specifically, the prior art of record does not disclose a video projection system combining:

- a color wheel having multiple color light transmitting segments, and the color wheel being rotated by a motor during the video projection mode as recited in the amended independent Claim 1, and the newly added independent Claim 12;
- the color wheel being kept stationary with at least one light transmitting segment in the light path during a lighting mode providing monochromatic

light as recited in the amended independent Claim 1, and the newly added independent Claim 12.

The above-indicated combination - a video projection-displaying device operating in a dual-mode operation, which are a video mode with a rotating color wheel, and a lighting mode- spot lighting mode- providing monochromatic light by keeping the color wheel stationary, makes this invention unique. The prior art of record teaches projector devices operable only in projection mode requiring turning of its color wheel.

Neither combined nor individual teaching of Arlitt et al. ('252), Bornhorst et al. ('956) and Marshall et al. ('061) discloses a projection device operating in the lighting mode while keeping its color wheel in standstill position, operating in video projection mode while keeping its color wheel rotating.

Therefore, independent claims 1 and 12 are allowed over prior art.

Claims 2-11 are necessarily allowable because of their dependency on the base Claim 1.

Claims 13 and 14 are necessarily allowable because of their dependency on the base Claim 12.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

**Conclusion**

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.


Hutton (U.S. Patent No. 5,829,868) and Moench et al. (U.S. Patent No. 6,631,996 B2)

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hargobind S. Sawhney whose telephone number is 571 272 2380. The examiner can normally be reached on 8:00 A.M. - 4:30 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sandra O'Shea can be reached on 571 272 2378. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

HSS  
4/26/2006

  
ALI ALAVI  
PRIMARY EXAMINER